

CADPKL:	14	KQTNIRKTFIEMEVLSGAFSEVFLVKQRLTGKLFALKCI-KKSPAFRDSLENELAVL	72
		KQ +IR + F +VLG+GAFSEV L+ + T KL A+KCI K++ ++ S+ENEI AVL	
CAMK1:	11	KQAEIDIRDIYDFRDVLGTGAFSEVILAEDKRTQKLVALKCIAKEALEGEGSMENEI AVL	70
CADPKL:	73	KKIKHEN/VTTLEDIYESTTHYYLMQLVSGGELFDRLILRGVYTEKDSLVIQQVLSAVK	132
		KTKH N/V L+DIYES H YL+MQLVSGGELFDRI+E+G YTE+DAS +I QVL AVK	
CAMK1:	71	HKIKHPN/VVALDDIYESGGHLYLIMQLVSGGELFDRIVEKGFYTERDASRLIFQVLDAVK	130
CADPKL:	133	YLHENGIVHRDLKPENLLYLTPEENSKIMITDFGLSKMEQNG-IMSTACGTPGYVAPEVL	191
		YLH+ GIVHRDLKPENLY + +E+SKIMI+DFGLSKME G ++STACGTPGYVAPEVL	
CAMK1:	131	YLHDLGIVHRDLKPENLLYYSLDEDSKIMISDFGLSKMEDPGSVLSTACGTPGYVAPEVL	190
CADPKL:	192	AQKPYSKAVDCWSIGVITYILLCGYPFFYEETESKLFEKIKEGYEFESPFWDDISESAK	251
		AQKPYSKAVDCWSIGVI YILLCGYPFFY+E ++KLFE+I + YEF+SP+WDDIS+SAK	
CAMK1:	191	AQKPYSKAVDCWSIGVIAYILLCGYPFFYDENDAKLFEQILKAEYEFDSFYWDDISDSAK	250
CADPKL:	252	DFICHLLLEKDPNERYTCEKALSHPWIDGNTALHRDIYPSVLSQIQKNFAKSKWROAFNA	311
		DFI HL+EKDP +R+TCE+AL HPWI G+TAL ++L+ SVS QI+KNFAKSKW+QAFNA	
CAMK1:	251	DFIRHLMKDPKRFTECEQALQHPWIAAGDTALDKNIHOSVSEQIKKNFAKSKWQAFNAT	310
CADPKL:	312	AVVHHMRKLNHNLHSPG	328
		AVV HMRKL + G	
CAMK1:	311	AVVRHMRKIQLGTSQEG	327

FIG. 1

Cad pkl mRNA Expression in Human Brain Regions (Brain #2,3&4)

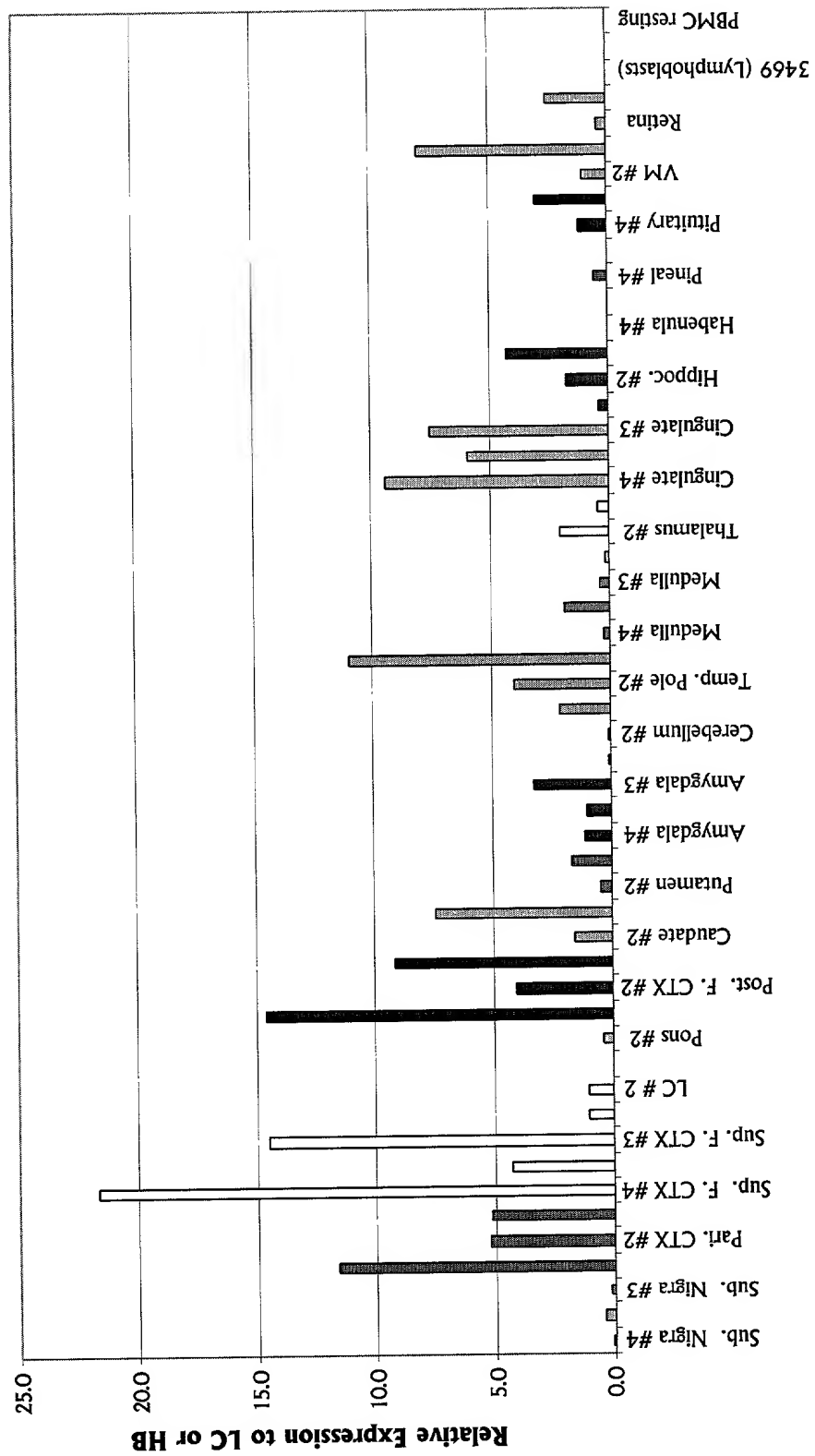
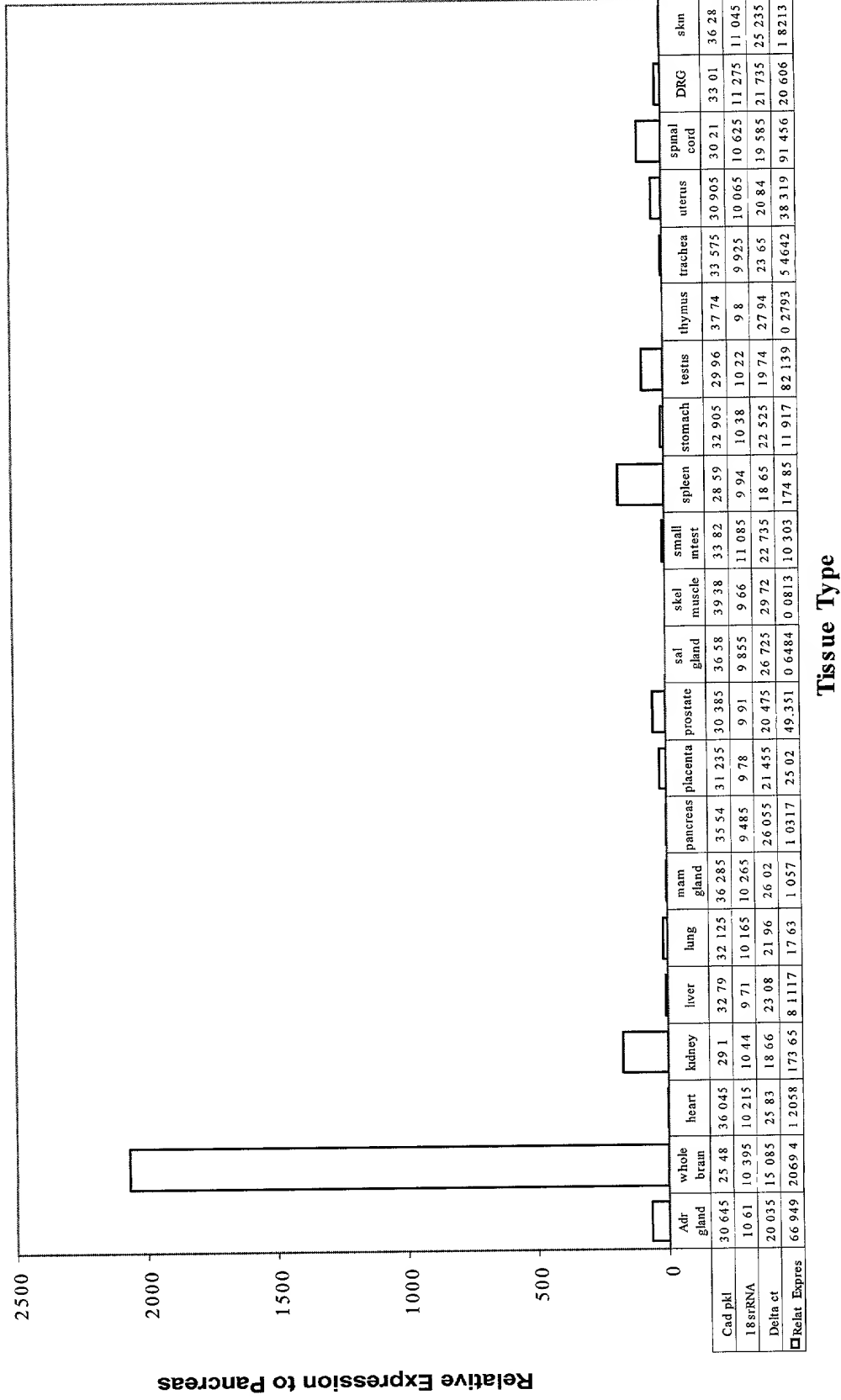


FIG. 2



Cad pkl	30.645	25.48	36.045	29.1	32.79	32.125	36.285	35.54	31.235	30.385	36.58	39.38	33.82	28.59	32.905	29.96	37.74	33.575	30.905	30.21	33.01	36.28
18srRNA	10.61	10.395	10.215	10.44	9.71	10.165	10.265	9.485	9.78	9.91	9.855	9.66	11.085	9.94	10.38	10.22	9.8	9.925	10.065	10.625	11.275	11.045
Delta ct	20.035	15.085	25.83	18.66	23.08	21.96	26.02	26.055	21.455	20.475	26.725	29.72	22.735	18.65	22.525	19.74	27.94	23.65	20.84	19.585	21.735	25.235
Relat Expres	66.949	2069.4	1.2058	173.65	8.1117	17.63	1.057	1.0317	25.02	49.351	0.6484	0.0813	10.303	174.85	11.917	82.139	0.2793	5.4642	38.319	91.456	20.606	1.8213